

**Mountain View Corridor Air Working Group**  
**Meeting Minutes**  
**November 27, 2018**

**Attending:**

- Kathy Van Dame – Wasatch Clean Air Coalition
- Reed Soper – UDOT Mountain View Corridor
- Cameron Cova – Breathe Utah
- Linda Hansen – PTA
- Brock Anderson – West Valley City
- John Close – Utah Transit Authority
- Joe Taylor – Utah Transit Authority
- Andy Neff – The Langdon Group (facilitator)
- Andee DeVore – The Langdon Group (co-facilitator)

**Agenda:**

- Approval of 10/23/18 AWG Meeting Minutes
  - Minutes were approved and will be posted to the AWG webpage.
- New AWG member: John Close announced to the Group that he will be leaving UTA effective 11/30 to take a planning position with the University of Utah. John introduced Joe Taylor, Active Transportation Planner with UTA, who will be taking his place on the AWG.
- Budget/Installation Status Update (Reed)
  - Reed referenced conversations with Steve Forbes and Don Adams with Granite School District (GSD) and some budget background: During the upgrades of the initial three schools, it was discovered that there was an annex at Hillside Elementary built sometime after the original construction of the school that was not covered in the Sonoma report. It was determined that the HVAC systems in the annex could not be upgraded as constructed and be consistent with the better filtration being installed within the rest of the school. Part of the reason for this was that the HVAC systems in the annex were not the same quality. They were more for a residential application than for a commercial application.
  - Per GSD, the additional cost to upgrade the annex HVAC systems would be an additional \$224,407 (not included in the initial AWG mitigation budget). The Group discussed this amount in a previous AWG meeting and temporarily tabled it with the thought that GSD may be able to transfer other funds to cover the overrun. Reed spoke to Joe Kammerer who agreed to help expedite the process by paying the \$224,407 from his UDOT budget. This was done.
  - Upon completion of annex upgrades, GSD reported that the actual cost came in at \$331,000, an overrun of another \$107,000. GSD's accounting sheets for the HVAC upgrades show the \$107,000 has already been spent, leaving insufficient funds to cover upgrade costs for the last two schools.
  - GSD is requesting reimbursement for the \$107,000 before continuing with further upgrades. Their accounting division needs to keep the initial upgrade budget line item and ongoing maintenance budget line items separate.
  - From Reed's discussion with Joe, UDOT does not have funds in its budget to make up the \$107,000 difference and is requesting that it be covered with available AWG budget.

- Per the AWG's budget, there is no delineation between capital and operating costs. Added Hillside costs would be for mitigation. The AWG is permitted to move funds between maintenance and mitigation budgets.
  - Linda would like an explanation from Granite explaining the cost differentials. Rising construction costs are understandable, but it would be helpful to receive a formal accounting with invoices showing the costs, and detailed break-downs. Cameron agreed.
  - To give some perspective, upgrade costs for the four other schools and Hillside main were \$642,000 compared to \$331,000 for the Hillside annex.
  - Reed will follow up with Steve to get the requested document from GSD. Reed will also provide an updated budget sheet and a summary document showing what funds have gone through the AWG.
- Update on University of Utah project involvement with post-construction monitoring (Linda)
    - At the October AWG meeting, Kerry Kelly from the U. spoke with the AWG about her project to develop low-cost air quality sensors. She had offered to bring some of the AirU sensors to the AWG schools.
    - The U. has not been able to put monitors out at all of the schools due to spotty internet, but Linda thinks they have one up at Hillside. Kerry is still working on the internet situation with GSD so that more sensors can be placed at schools.
    - The Group also talked about purchasing some low-cost sensors. Bo was tasked with researching options and bringing recommendations to the AWG. He was leaning towards PurpleAir. Andy will follow-up with Bo and see if he can email the group with his recommendations before the next meeting.
    - Sensor purchase would require a procurement contract through UDOT, which can be a long process. If the Group decides to go that route, Reed can start the process. Per state contracting procedures, equipment can't be sole sourced, so research would likely be required to show comparable equipment and prices and then documentation on why a specific monitor was selected, unless a state vendor is used.
    - Reed suggested working with GSD prior to the placement of monitors in schools. GSD expressed concerns about having more devices on school internet systems and whether that would be another potential avenue for sensitive information to be accessed through its network.
    - Linda mentioned that the Tooele School District has acquired PurpleAir monitors and put them at each school. GSD may be aware of it, since Tooele's superintendent has been pretty open about it. Reed said Don didn't have a problem with it, but having devices accessing GSD's network presents real security concerns.
    - Once the Group has Bo's sensor recommendations, an implementation plan can be developed for GSD's review and feedback and Reed can work directly through Don and Steve.
  - Review/edit Post-Construction Independent Evaluation and Monitoring DRAFT Scopes of Work
    - Reed drafted a scope of work to hire a contractor to do the Independent Evaluation once installation is complete at all five schools. The installation completion date is unknown, pending resolution of budget questions.
    - The Group agreed the draft scope looks good and no edits were recommended.
    - Next steps: Wait to proceed until the last two schools are done. A preliminary budget and schedule also needs to be prepared, which Reed can begin. It will be helpful to have a

preliminary cost and then the scope can be adjusted accordingly before being sent through UDOT procurement for advertising.

- Reed suggested that the AWG coordinate closely with GSD during the selection process to ensure they're on-board.
  - The group will hold off on doing any tours until all five schools are completed.
  - Reed has also drafted a scope of work for post-construction monitoring, which is closely patterned after Sonoma's initial monitoring scope of work.
  - It makes sense, especially financially, to complete post-construction monitoring all at once when all upgrades are done. The Group would like to complete it during the 2019-2020 inversion season to see how upgrades are performing in the worst scenarios for air quality. Results will also be telling as additional phases of MVC construction are completed and the corridor carries more traffic.
  - All interested bidders will have an opportunity to submit proposals. Potential conflicts of interest need to be considered.
  - The monitoring scope can be fine-tuned over the next year and a cost estimate will be needed. It would be helpful to seek guidance from someone willing to help develop the cost and scope but who isn't interested in doing the work itself. Sonoma is an option and Reed can reach out to air quality experts within his company. John mentioned that a colleague, Daniel Mendosa, is also interested in this type of work.
- Other Items
    - In the future, the AWG will only be using Zoom to get audio and video. Members will have to log on to tablets or computers and get audio that way. Andy will set up a test-run meeting before the next meeting to make sure it works. Preference is still to have everyone attend meetings in-person.

**Action Items:**

- Follow up with GSD on AWG requested letter of explanation re: Hillside annex budget overruns (Reed)
- Provide an updated budget sheet and a summary of AWG funds processed to date (Reed)
- Begin drafting preliminary budget and schedule for Independent Evaluation and fine-tuning post-construction Monitoring scope (Reed)
- Provide low-cost sensor recommendations (Bo)
- Follow up with Kerry Kelly at the U. regarding status of AirU sensor placement at five schools (Linda)